

IFW

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Voldman, et al.

Docket No.

BUR920040089US1

Application No.  
10/711,300

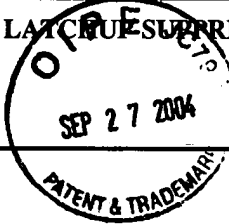
Filing Date  
September 9, 2004

Examiner  
Unknown

Customer No.  
29154

Group Art Unit  
Unknown

Invention: **STRUCTURE AND METHOD FOR LATENT SUPPRESSION UTILIZING TRENCH AND MASKED SUB-COLLECTOR IMPLANTATION**



I hereby certify that this Information Disclosure Statement

(Identify type of correspondence)

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on  
September 24, 2004  
(Date)

**Frederick W. Gibb, III**

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

**Note: Each paper must have its own certificate of mailing.**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Voldman et al.

Serial No.: 10/711,300      Group Art Unit:      Unknown

Filing Date: September 9, 2004      Examiner:      Unknown

For: STRUCTURE AND METHOD FOR LATCHUP SUPPRESSION UTILIZING  
TRENCH AND MASKED SUB-COLLECTOR IMPLANTATION

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicants' duty of disclosure under 37 CFR §1.56, applicants respectfully bring the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicants are aware.

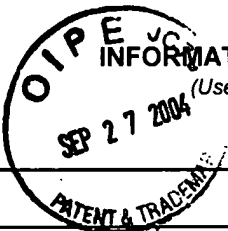
It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 09-0456.

Respectfully submitted,

Frederick W. Gibb, III  
Registration No. 37,629

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Customer No. 29154



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

BUR920040089US1

APPLICATION NO.

APPLICANT(S)

Voldman et al.

FILING DATE

GROUP ART UNIT

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,578,128	03/25/86	Mundt et al.			
	4,486,266	12/04/84	Yamaguchi			
	4,862,233	08/29/89	Matsushita et al.			
	4,729,006	03/01/88	Dally et al.			
	4,656,730	04/14/87	Lynch et al.			

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002/0135024	09/26/02	Logan et al.			
	2003/0205765	11/06/03	Masuoka			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP63-304661	12/12/88	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Voldman et al., "Retention Time and Soft Error Rate Improvement by Tailoring Well Doping in Trench Dram Cells", IBM Technical Disclosure Bulletin, Vol. 33, No. 1B, 1990, pp. 35-36.
		L.A. Nesbit, "Method of Forming Shallow Trench Isolation With Selectively Doped Sidewalls, Vol. 31 No. 2, 1988, pp. 418-420.

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. <b>BUR920040089US1</b>	APPLICATION NO.
	Voldman et al.	
	FILING	GROUP ART <b>Unknown</b>

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,926,233	05/15/90	Hutter			
	5,067,002	11/19/91	Zdebel et al.			
	5,612,242	03/18/97	Hsu			
	6,514,833	02/04/03	Ishida et al.			
	6,600,199	07/29/03	Voldman et al.			

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*


EXAMINER	DATE CONSIDERED
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				Voldman et al.			
				FILING		GROUP ART <b>Unknown</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,780,353	07/14/98	Omid-Zohoor			
		6,518,628	01/11/03	Krautschneider et al.			

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

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